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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/648,606	08/25/2003	Richard Harvey	063170.6701	4231

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EXAMINER

LEWIS, ALICIA M

ART UNIT PAPER NUMBER

2164

DATE MAILED: 02/24/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/648,606

Applicant(s)

HARVEY ET AL.

Examiner

Alicia M. Lewis

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2164

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 25 August 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-7 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-7 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

  
**SAM RIMELL**  
**PRIMARY EXAMINER**

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

## DETAILED ACTION

### *Claim Objections*

1. Claim 3 is objected to because of the following informalities: the word "children" should be "child" and a misspelled word, "virtur," is recited in line 2 of the claim. Examiner assumes that applicants intended to use the word "virtue." Appropriate correction is required.

### *Claim Rejections - 35 USC § 102*

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

- 1-7 ARE*
- 3* 3. Claim ~~1~~ is rejected under 35 U.S.C. 102(e) as being anticipated by Gadbois et al. (US Patent Application Publication 2004/0002955 A1) ('Gadbois').

With respect to claim 1, Gadbois teaches a web services directory comprising:

at least one business entity object (element 222 in Figure 2, paragraph 27 lines 7-15); and

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at least one user object, wherein the at least one business entity object is arranged under the at least one user object (elements 210 and 222 in Figure 2, paragraphs 26 and 27).

With respect to claim 2, Gadbois teaches the web services directory as recited in claim 1, further comprising:

at least one business service object (element 242 in Figure 2, paragraph 28); and

at least one binding template object (element 245 in Figure 2, paragraph 28), wherein the at least one business service object is arranged under the at least one business entity object, and the at least one binding template object is arranged under the at least one business service object (Figure 2).

With respect to claim 3, Gadbois teaches the web services directory as recited in claim 1, wherein the at least one business entity object is arranged under the at least one user object by virtue of at least one corresponding user children object (elements 210 and 222 in Figure 2, paragraphs 26-27).

With respect to claim 4, Gadbois teaches the web services directory as recited in claim 1, further comprising at least one domain object, wherein the at least one user object is arranged under the at least one domain object (elements 150 and 170 in Figure 1, paragraph 24, paragraph 26, paragraph 27 lines 1-4).

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With respect to claim 5, Gadbois teaches the web services directory as recited in claim 1, further comprising apparatus adapted to implement the web services directory, and in which directory services are invoked (paragraphs 21-25).

With respect to claim 6, Gadbois teaches the web services directory as recited in claim 5, wherein the directory services are invoked using at least one of X.500 and LDAP protocols (paragraph 24 lines 8-12, paragraph 26 lines 10-11).

With respect to claim 7, Gadbois teaches the web services system comprising:

a registry (paragraph 5 lines 19-25) in which businesses may register, the registry comprising a hierarchical directory including at least one business entity object and at least one user object, the at least one business entity object being arranged under the at least one user object (paragraphs 25-27); and

a storage system for storing business information and accessible via the hierarchical directory (paragraphs 23 and 26).

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alicia M. Lewis whose telephone number is 571-272-5599. The examiner can normally be reached on Monday - Friday, 9 - 6:30, alternate Friday off.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles Rones can be reached on 571-272-4085. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Alicia Lewis  
February 15, 2006



**SAM RIMELL**  
**PRIMARY EXAMINER**